

## CompTIA Data+

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### Course Description

CompTIA is a not-for-profit trade association with the purpose of advancing the interests of information technology (IT) professionals and IT channel organizations; its industry-leading IT certifications are an important part of that mission. CompTIA's Data+ Certification is an early-career data analytics certification for professionals tasked with developing and promoting data-driven business decision-making.

### Course Duration:

5 days

### Prerequisites:

To ensure your success in this course, you should have 18–24 months of hands-on experience working in a business intelligence, report/data analyst job role.

You should have a working knowledge of Microsoft Excel or a spreadsheet program. You should understand how to build basic math calculations, like add, subtract, divide, and multiply (basic arithmetic). You should know how to build basic functions like Sums, Average, and Count. You should understand the basics of sorting and filtering data sets in Excel or a similar spreadsheet program.

You should have a working knowledge of how to build very basic pivot tables. You should have some understanding of databases and all knowledge toward understanding how databases designed will be helpful. You should have a basic understanding of how to build simple charts in using data.

### Objectives:

After you successfully complete this course, expect to be able to:

- Identify basic concepts of data schemas
- Understand different data systems
- Understand types and characteristics of data
- Compare and contrast different data structures, formats, and markup languages
- Explain data integration and collection methods
- Identify common reasons for cleansing and profiling data
- Execute different data manipulation techniques
- Explain common techniques for data manipulation and optimization
- Apply descriptive statistical methods
- Describe key analysis techniques
- Understand the use of different statistical methods
- Use the appropriate type of visualization
- Express business requirements in a report format
- Design components for reports and dashboards

## Course Outline:

- Identifying Basic Concepts of Data Schemas
- Understanding Different Data Systems
- Understanding Types and Characteristics of Data
- Comparing and Contrasting Different Data Structures, Formats, and Markup Languages
- Explaining Data Integration and Collection Methods
- Identifying Common Reasons for Cleansing and Profiling Data
- Executing Different Data Manipulation Techniques
- Explaining Common Techniques for Data Manipulation and Optimization
- Applying Descriptive Statistical Methods
- Describing Key Analysis Techniques
- Understanding the Use of Different Statistical Methods
- Using the Appropriate Type of Visualization
- Expressing Business Requirements in a Report Format
- Designing Components for Reports and Dashboards
- Distinguishing Different Report Types
- Summarizing the Importance of Data Governance
- Applying Quality Control to Data
- Explaining Master Data Management Concepts

## Who Should Attend

The Official CompTIA Data+ (Exam DA0-001) Guide is the primary course you will need to take if your job responsibilities include gathering and collecting data for use in reporting, research of visualization, and analysis within your organization. You can take this course to prepare for the CompTIA Data+ (Exam DA0-001) certification examination.